# PDR RID Report

**Date Last Modified** 7/17/95
**Originator** Sol Broder
**Organization**
**E Mail Address**
**Document** COTS DBMS

**Phone No**

| | |
|---|---|
| **RID ID    PDR** 382 | |
| **Review**    SDPS | |
| **Originator Ref** | |
| **Priority** 2 | |

| **Section** | **Page** | **Figure Table**    EN 10 |
|---|---|---|

---

**Category Name** Design-Data Server

**Actionee**    HAIS

**Sub Category**

**Subject**    DBMS performance metrics evaluation criteria

**Description of Problem or Suggestion:**

Interface to Management Agent not discussed or considered as evaluation criteria. What requirements/criteria were used to ensure vendor was providing fault and performance metrics?

**Originator's Recommendation**

---

**GSFC Response by:**

**GSFC Response Date**

**HAIS Response by:**    Eisenstein

**HAIS Schedule**    5/22/95

**HAIS R. E.**    Nakamura

**HAIS Response Date**    6/30/95

The driving requirements for selection of the Data Server DBMS were the requirements for spatial search and extensibility, features which none of the vendors were able to meet completely without additional product enhancements. Integration of the DBMS product into existing frameworks for heterogenous applications management, while highly desireable, was not used as the primary evaluation criteria.

ECS intends to meet its requirements for providing system-wide management in Release A.  By selecting vendors which provide or plan to provide SNMP compliant management agents, ECS can deliver an enterprise-wide management and monitoring framework, while minimizing custom code.  In our negotiations with Sybase, the DBMS product selected for ECS-wide use in Release A, the vendor has commited to providing SNMP support in the Release A timeframe.  (Sybase is one of a set of products under consideration for Release B implementation.)  Mitigation of ECS's dependence on the vendor for Release A SNMP support , if necessary, will be provided through custom code in order to meet management and maintenance requirements.

The following L4 requirements regarding fault and performance metrics reporting were used in evaluating the SNMP support provided or planned by each DBMS vendor.

C-MSS-90120  The DBMS shall be compatible with the ECS management framework to support the import of the ECS management framework data.

C-MSS-60130  The MSS Fault Management Application Service shall provide the capability to detect the following types of faults, errors, and events : ...g. Databases

C-MSS-66000  The MSS Performance Management Application Service shall be capable of montoring the performance of the following ECS components : ...e. Databases

---

**Status    Closed**

**Date Closed    7/17/95**

**Sponsor    Kobler**

****** **Attachment if any** ******

---